

## LABORATORY REPORT

Prepared For: Brown & Caldwell  
201 E. Washington St., Ste. 500  
Phoenix, AZ 85004  
Attention: Barbara Sylvester

Project: Florence Copper

Sampled: 01/25/11-01/26/11  
Received: 01/26/11  
Issued: 02/04/11 15:23

NELAP #01109CA Arizona DHS#AZ0728

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.  
This entire report was reviewed and approved for release.*

### CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUA1538-01	O49-GL	Water
PUA1538-02	P49-O	Water
PUA1538-03	M19-O	Water
PUA1538-04	M26-O	Water
PUA1538-05	M27-LBF	Water
PUA1538-06	M28-LBF	Water
PUA1538-07	M29-UBF	Water
PUA1538-08	M31-LBF	Water
PUA1538-09	M30-O	Water
PUA1538-10	M19-LBF	Water
PUA1538-11	M20-O	Water
PUA1538-12	M21-UBF	Water
PUA1538-13	M7-GL	Water
PUA1538-14	P19-1-O	Water
PUA1538-15	O19-GL	Water

**TestAmerica Phoenix**

Tina Paulauskas  
Project Manager

Brown & Caldwell  
201 E. Washington St., Ste. 500  
Phoenix, AZ 85004  
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Report Number: PUA1538

Sampled: 01/25/11-01/26/11  
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**SAMPLE RECEIPT:** Samples were received intact, at 1°C, on ice and with chain of custody documentation.

**HOLDING TIMES:** Not all holding times were met. Results were qualified where the sample analysis did not occur within method specified holding time requirements.

**PRESERVATION:** Samples requiring preservation were verified prior to sample analysis.

**QA/QC CRITERIA:** All analyses met method criteria, except as noted in the report with data qualifiers.  
N1-The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.  
N1a-Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).

**COMMENTS:** No significant observations were made.

**SUBCONTRACTED:** No analyses were subcontracted to an outside laboratory.

Reviewed By:



**TestAmerica Phoenix**

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Project Manager

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Received: 01/26/11

## DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUA1538-01 (O49-GL - Water)				Sampled: 01/25/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	9.2	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-02 (P49-O - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	3.6	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-03 (M19,O - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	3.3	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-04 (M26-O - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	ND	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-05 (M27-LBF - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	31	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-06 (M28-LBF - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	1.6	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-07 (M29-UBF - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	25	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-08 (M31-LBF - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	18	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-09 (M30-O - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	10	1	2/1/2011	2/2/2011	N1
Sample ID: PUA1538-10 (M19-LBF - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Magnesium	E200.7	11B0041	0.25	12	1	2/1/2011	2/2/2011	N1

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## DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: PUA1538-11 (M20-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
<b>Magnesium</b>	E200.7	11B0041	0.25	<b>7.9</b>	1	2/1/2011	2/2/2011	N1
<b>Sample ID: PUA1538-12 (M21-UBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
<b>Magnesium</b>	E200.7	11B0041	0.25	<b>20</b>	1	2/1/2011	2/2/2011	N1
<b>Sample ID: PUA1538-13 (M7-GL - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
<b>Magnesium</b>	E200.7	11B0041	0.25	ND	1	2/1/2011	2/2/2011	N1
<b>Sample ID: PUA1538-14 (P19-1-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
<b>Magnesium</b>	E200.7	11B0041	0.25	<b>5.8</b>	1	2/1/2011	2/2/2011	N1
<b>Sample ID: PUA1538-15 (O19-GL - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
<b>Magnesium</b>	E200.7	11B0041	0.25	<b>8.7</b>	1	2/1/2011	2/2/2011	N1

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: PUA1538-01 (O49-GL - Water)</b>				<b>Sampled: 01/25/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.44	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	2.00	68.1	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	530	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-02 (P49-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.85	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	10.0	105	5	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	460	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-03 (M19,O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.93	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	10.0	105	5	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	460	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-04 (M26-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	1.6	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	2.00	64.4	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	320	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-05 (M27-LBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	ND	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	10.0	161	5	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	1100	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-06 (M28-LBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.74	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	2.00	50.7	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	360	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-07 (M29-UBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.68	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	10.0	215	5	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	940	1	1/28/2011	1/28/2011	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: PUA1538-08 (M31-LBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.89	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	10.0	139	5	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	710	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-09 (M30-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	0.60	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	2.00	60.6	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11A0954	20	490	1	1/28/2011	1/28/2011	
<b>Sample ID: PUA1538-10 (M19-LBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0926	0.40	0.42	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0926	2.00	54.0	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11B0019	20	440	1	2/1/2011	2/1/2011	
<b>Sample ID: PUA1538-11 (M20-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0926	0.40	0.60	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0926	2.00	66.2	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11B0019	20	460	1	2/1/2011	2/1/2011	
<b>Sample ID: PUA1538-12 (M21-UBF - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0926	0.40	0.78	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0926	2.00	143	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11B0019	20	770	1	2/1/2011	2/1/2011	
<b>Sample ID: PUA1538-13 (M7-GL - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0926	0.40	0.78	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0926	2.00	35.4	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11B0019	20	260	1	2/1/2011	2/1/2011	
<b>Sample ID: PUA1538-14 (P19-1-O - Water)</b>				<b>Sampled: 01/26/11</b>				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A0927	0.40	1.4	1	1/27/2011	1/27/2011	
Sulfate	EPA 300.0	11A0927	2.00	66.5	1	1/27/2011	1/27/2011	
Total Dissolved Solids	SM2540C	11B0054	20	460	1	2/2/2011	2/2/2011	

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## INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUA1538-15 (O19-GL - Water)				Sampled: 01/26/11				
Reporting Units: mg/l								
Fluoride	EPA 300.0	11A1025	0.40	0.52	1	1/31/2011	1/31/2011	
Sulfate	EPA 300.0	11A1025	2.00	58.7	1	1/31/2011	1/31/2011	
Total Dissolved Solids	SM2540C	11B0054	20	460	1	2/2/2011	2/2/2011	

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## METHOD BLANK/QC DATA

### DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 11B0041 Extracted: 02/01/11</b>										
<b>Blank Analyzed: 02/02/2011 (11B0041-BLK1)</b>										
Magnesium	ND	0.25	mg/l							
<b>Blank Analyzed: 02/02/2011 (11B0041-BLK2)</b>										
Magnesium	ND	0.25	mg/l							
<b>LCS Analyzed: 02/02/2011 (11B0041-BS1)</b>										
Magnesium	19.3	0.25	mg/l	21.0		92	85-115			
<b>LCS Dup Analyzed: 02/02/2011 (11B0041-BSD1)</b>										
Magnesium	20.1	0.25	mg/l	21.0		96	85-115	4	20	
<b>Matrix Spike Analyzed: 02/02/2011 (11B0041-MS1)</b>										
Magnesium	30.0	0.25	mg/l	21.0	<b>Source: PUA1538-01</b>					
					9.16	99	75-125			
<b>Matrix Spike Analyzed: 02/02/2011 (11B0041-MS2)</b>										
Magnesium	23.7	0.25	mg/l	21.0	<b>Source: PUA1538-02</b>					
					3.56	96	75-125			
<b>Matrix Spike Dup Analyzed: 02/02/2011 (11B0041-MSD1)</b>										
Magnesium	30.6	0.25	mg/l	21.0	<b>Source: PUA1538-01</b>					
					9.16	102	75-125	2	10	
<b>Matrix Spike Dup Analyzed: 02/02/2011 (11B0041-MSD2)</b>										
Magnesium	24.7	0.25	mg/l	21.0	<b>Source: PUA1538-02</b>					
					3.56	101	75-125	4	10	

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## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 11A0926 Extracted: 01/27/11</b>										
<b>Blank Analyzed: 01/27/2011 (11A0926-BLK1)</b>										
Fluoride	ND	0.40	mg/l							
Sulfate	ND	2.00	mg/l							
<b>LCS Analyzed: 01/27/2011 (11A0926-BS1)</b>										
Fluoride	3.79	0.40	mg/l	4.00		95	90-110			
Sulfate	19.9	2.00	mg/l	20.0		100	90-110			N1a
<b>LCS Dup Analyzed: 01/27/2011 (11A0926-BSD1)</b>										
Fluoride	3.82	0.40	mg/l	4.00		95	90-110	0.6	20	
Sulfate	19.9	2.00	mg/l	20.0		99	90-110	0.1	15	N1a
<b>Matrix Spike Analyzed: 01/27/2011 (11A0926-MS1)</b>										
					<b>Source: PUA1560-01</b>					
Fluoride	4.15	0.40	mg/l	4.00	0.306	96	80-120			
Sulfate	189	2.00	mg/l	20.0	176	63	80-120			M2
<b>Matrix Spike Analyzed: 01/27/2011 (11A0926-MS2)</b>										
					<b>Source: PUA1563-02</b>					
Fluoride	3.88	0.40	mg/l	4.00	0.0970	95	80-120			
<b>Matrix Spike Dup Analyzed: 01/27/2011 (11A0926-MSD1)</b>										
					<b>Source: PUA1560-01</b>					
Fluoride	4.14	0.40	mg/l	4.00	0.306	96	80-120	0.3	20	
Sulfate	185	2.00	mg/l	20.0	176	43	80-120	2	15	M2
<b>Matrix Spike Dup Analyzed: 01/27/2011 (11A0926-MSD2)</b>										
					<b>Source: PUA1563-02</b>					
Fluoride	3.93	0.40	mg/l	4.00	0.0970	96	80-120	1	20	

#### **Batch: 11A0927 Extracted: 01/27/11**

##### **Blank Analyzed: 01/27/2011 (11A0927-BLK1)**

Fluoride	ND	0.40	mg/l
Sulfate	ND	2.00	mg/l

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## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 11A0927 Extracted: 01/27/11</b>										
<b>LCS Analyzed: 01/27/2011 (11A0927-BS1)</b>										
Fluoride	4.12	0.40	mg/l	4.00		103	90-110			
Sulfate	20.2	2.00	mg/l	20.0		101	90-110			N/a
<b>LCS Dup Analyzed: 01/27/2011 (11A0927-BSD1)</b>										
Fluoride	4.10	0.40	mg/l	4.00		102	90-110	0.5	20	
Sulfate	20.2	2.00	mg/l	20.0		101	90-110	0.2	15	N/a
<b>Matrix Spike Analyzed: 01/27/2011 (11A0927-MS1)</b>					<b>Source: PUA1551-01</b>					
Fluoride	4.59	0.40	mg/l	4.00	0.411	104	80-120			
<b>Matrix Spike Analyzed: 01/27/2011 (11A0927-MS2)</b>					<b>Source: PUA1538-14</b>					
Fluoride	5.78	0.40	mg/l	4.00	1.42	109	80-120			
Sulfate	84.8	2.00	mg/l	20.0	66.5	91	80-120			
<b>Matrix Spike Dup Analyzed: 01/27/2011 (11A0927-MSD1)</b>					<b>Source: PUA1551-01</b>					
Fluoride	4.64	0.40	mg/l	4.00	0.411	106	80-120	1	20	
<b>Matrix Spike Dup Analyzed: 01/27/2011 (11A0927-MSD2)</b>					<b>Source: PUA1538-14</b>					
Fluoride	5.79	0.40	mg/l	4.00	1.42	109	80-120	0.1	20	
Sulfate	84.9	2.00	mg/l	20.0	66.5	92	80-120	0.2	15	
<b>Batch: 11A0954 Extracted: 01/28/11</b>										
<b>Blank Analyzed: 01/28/2011 (11A0954-BLK1)</b>										
Total Dissolved Solids	ND	20	mg/l							
<b>LCS Analyzed: 01/28/2011 (11A0954-BS1)</b>										
Total Dissolved Solids	982	20	mg/l	1000		98	80-115			

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## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 11A0954 Extracted: 01/28/11</b>										
<b>LCS Dup Analyzed: 01/28/2011 (11A0954-BSD1)</b>										
Total Dissolved Solids	992	20	mg/l	1000		99	80-115	1	10	
<b>Duplicate Analyzed: 01/28/2011 (11A0954-DUP1)</b>										
Total Dissolved Solids	1430	20	mg/l		1430			0	10	
<b>Duplicate Analyzed: 01/28/2011 (11A0954-DUP2)</b>										
Total Dissolved Solids	462	20	mg/l		462			0	10	
<b>Batch: 11A1025 Extracted: 01/31/11</b>										
<b>Blank Analyzed: 01/31/2011 (11A1025-BLK1)</b>										
Fluoride	ND	0.40	mg/l							
Sulfate	ND	2.00	mg/l							
<b>LCS Analyzed: 01/31/2011 (11A1025-BS1)</b>										
Fluoride	3.86	0.40	mg/l	4.00		97	90-110			
Sulfate	20.0	2.00	mg/l	20.0		100	90-110			
<b>LCS Dup Analyzed: 01/31/2011 (11A1025-BSD1)</b>										
Fluoride	3.79	0.40	mg/l	4.00		95	90-110	2	20	
Sulfate	19.9	2.00	mg/l	20.0		99	90-110	0.8	15	
<b>Matrix Spike Analyzed: 02/01/2011 (11A1025-MS1)</b>										
Fluoride	3.82	0.40	mg/l	4.00	ND	95	80-120			
Sulfate	21.1	2.00	mg/l	20.0	1.13	100	80-120			
<b>Matrix Spike Analyzed: 01/31/2011 (11A1025-MS2)</b>										
Fluoride	4.20	0.40	mg/l	4.00	0.373	96	80-120			
Sulfate	144	2.00	mg/l	20.0	128	78	80-120			M2

TestAmerica Phoenix

Tina Paulauskas  
Project Manager

Brown & Caldwell  
201 E. Washington St., Ste. 500  
Phoenix, AZ 85004  
Attention: Barbara Sylvester

Project ID: Florence Copper  
Report Number: PUA1538

Sampled: 01/25/11-01/26/11  
Received: 01/26/11

## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 11A1025 Extracted: 01/31/11</b>										
<b>Matrix Spike Dup Analyzed: 02/01/2011 (11A1025-MSD1)</b>					<b>Source: PUA1732-01</b>					
Fluoride	3.86	0.40	mg/l	4.00	ND	97	80-120	1	20	
Sulfate	21.0	2.00	mg/l	20.0	1.13	99	80-120	0.2	15	
<b>Matrix Spike Dup Analyzed: 01/31/2011 (11A1025-MSD2)</b>					<b>Source: PUA1733-01</b>					
Fluoride	4.21	0.40	mg/l	4.00	0.373	96	80-120	0.3	20	
Sulfate	144	2.00	mg/l	20.0	128	78	80-120	0.02	15	M2
<b>Batch: 11B0019 Extracted: 02/01/11</b>										
<b>Blank Analyzed: 02/01/2011 (11B0019-BLK1)</b>										
Total Dissolved Solids	ND	20	mg/l							
<b>LCS Analyzed: 02/01/2011 (11B0019-BS1)</b>										
Total Dissolved Solids	978	20	mg/l	1000		98	80-115			
<b>LCS Dup Analyzed: 02/01/2011 (11B0019-BSD1)</b>										
Total Dissolved Solids	988	20	mg/l	1000		99	80-115	1	10	
<b>Duplicate Analyzed: 02/01/2011 (11B0019-DUP1)</b>										
Total Dissolved Solids	450	20	mg/l		<b>Source: PUA1538-10</b>			1	10	
					444					
<b>Duplicate Analyzed: 02/01/2011 (11B0019-DUP2)</b>										
Total Dissolved Solids	754	20	mg/l		<b>Source: PUA1673-02</b>			0	10	
					754					
<b>Batch: 11B0054 Extracted: 02/02/11</b>										
<b>Blank Analyzed: 02/02/2011 (11B0054-BLK1)</b>										
Total Dissolved Solids	ND	20	mg/l							

TestAmerica Phoenix

Tina Paulauskas  
Project Manager

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Phoenix, AZ 85004  
Attention: Barbara Sylvester

Project ID: Florence Copper  
Report Number: PUA1538

Sampled: 01/25/11-01/26/11  
Received: 01/26/11

## METHOD BLANK/QC DATA

### INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 11B0054 Extracted: 02/02/11</b>										
<b>LCS Analyzed: 02/02/2011 (11B0054-BS1)</b>										
Total Dissolved Solids	1010	20	mg/l	1000		101	80-115			
<b>LCS Dup Analyzed: 02/02/2011 (11B0054-BSD1)</b>										
Total Dissolved Solids	1020	20	mg/l	1000		102	80-115	1	10	
<b>Duplicate Analyzed: 02/02/2011 (11B0054-DUP1)</b>										
Total Dissolved Solids	430	20	mg/l		Source: PUA1538-14 460			7	10	
<b>Duplicate Analyzed: 02/02/2011 (11B0054-DUP2)</b>										
Total Dissolved Solids	1200	20	mg/l		Source: PUA1597-04 1180			2	10	

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Project Manager

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**PUA1538 <Page 13 of 15>**

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Report Number: PUA1538

Sampled: 01/25/11-01/26/11  
Received: 01/26/11

## DATA QUALIFIERS AND DEFINITIONS

**M2** Matrix spike recovery was low; the associated blank spike recovery was acceptable.  
**N1** See case narrative.  
**ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.  
**RPD** Relative Percent Difference

**TestAmerica Phoenix**

Tina Paulauskas  
Project Manager

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**PUA1538 <Page 14 of 15>**

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Phoenix, AZ 85004  
Attention: Barbara Sylvester

Project ID: Florence Copper  
Report Number: PUA1538

Sampled: 01/25/11-01/26/11  
Received: 01/26/11

## Certification Summary

### TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
E200.7	Water		X
EPA 300.0	Water		X
SM2540C	Water		X

*Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at [www.testamericainc.com](http://www.testamericainc.com)*

### TestAmerica Phoenix

Tina Paulauskas  
Project Manager

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**PUA1538 <Page 15 of 15>**

# TestAmerica



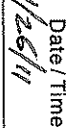

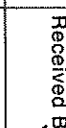

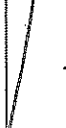



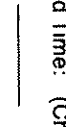
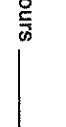

## CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING  
TAL-0013-550 (10/10)

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Page 1 of 2

PUA1538-01

Client Name/Address: <b>Brown and Caldwell</b> 201 E. Washington #500 Phoenix, Arizona 85004			Project/PO Number: <b>Florence Copper</b>			Analysis Required		
Project Manager: <b>Barb Sylvester</b>			Phone Number: <b>602.567.4000</b>			Special Instructions <b>Billing to: CURIS Resources</b>		
Sample: <b>Michael E. Orca II</b>			Fax Number: <b>602.567.4001</b>					
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives		
<b>049-GL</b>	<b>GL</b>	<b>500 ml</b>	<b>2</b>	<b>1/25/11</b>	<b>1650</b>	<b>NP</b>	<b>X</b>	<b>X</b>
<b>049-0</b>			<b>2</b>	<b>1/26/11</b>	<b>0840</b>		<b>X</b>	<b>X</b>
<b>M19,0</b>			<b>2</b>	<b>1/26/11</b>	<b>0850</b>		<b>X</b>	<b>X</b>
<b>M26-0</b>			<b>2</b>	<b>1/26/11</b>	<b>0930</b>		<b>X</b>	<b>X</b>
<b>M27-LBF</b>			<b>2</b>	<b>1/26/11</b>	<b>0915</b>		<b>X</b>	<b>X</b>
<b>M28-LBF</b>			<b>2</b>	<b>1/26/11</b>	<b>1008</b>		<b>X</b>	<b>X</b>
<b>M29-LBF</b>			<b>2</b>	<b>1/26/11</b>	<b>0933</b>		<b>X</b>	<b>X</b>
<b>M31-LBF</b>			<b>2</b>	<b>1/26/11</b>	<b>1045</b>		<b>X</b>	<b>X</b>
<b>M30-0</b>			<b>2</b>	<b>1/26/11</b>	<b>1105</b>		<b>X</b>	<b>X</b>
<b>M19-LBF</b>			<b>2</b>	<b>1/26/11</b>	<b>1203</b>		<b>X</b>	<b>X</b>
<b>M20-0</b>			<b>2</b>	<b>1/26/11</b>	<b>1215</b>		<b>X</b>	<b>X</b>
<b>M21-LBF</b>			<b>2</b>	<b>1/26/11</b>	<b>1143</b>		<b>X</b>	<b>X</b>
<b>M7-GL</b>			<b>2</b>	<b>1/26/11</b>	<b>1245</b>		<b>X</b>	<b>X</b>
<b>M19-0</b>			<b>2</b>	<b>1/26/11</b>	<b>1317</b>		<b>X</b>	<b>X</b>
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Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.4/.6°C  
2 covers



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- [[ Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
- [[ Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 428-1264

Page 2 of 2

Project/PO Number:

### Analysis Required

Florence Copper  
Phone Number: 117 4400

4, TDS  
6 to 5.7K

Michael E. Orcaff

Tax Number: 707

ax Number: 602.567.4001

### Sample Description

Matrix

Cont

Date \_\_\_\_\_

Time

## Preservatives

A

9

### Special Instructions

Billing to:  
Curis  
Resources

P19-1-0  
019-GL

50	50
100	100

	N	N
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1/29/11  
1/29/11



1317  
1340

22

	X	X

<del>X</del>	<del>X</del>
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Relinquished By: 	Date/Time 1/26/11
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Relinquished By: _____	Date/Time

Date/Time: 1/26/11 15:11

Received By:	
Received By:	
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Date/Time:	
Date/Time:	
Date/Time:	

Turnaround Time: (Check)	7
same day _____	
24 hours _____	5
48 hours _____	n
Sample Integrity: (Check)	

2 hours \_\_\_\_\_  
5 days \_\_\_\_\_  
normal X

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1.40/60

2coofers

